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CLASS II GENERAL AIR QUALITY PERMIT FOR TEMPORARY SOURCES

SECTION I. AUTHORITY

The Nevada State Environmental Commission has adopted regulations at NAC 445B.3477 pursuant to NRS 445B.210 and 445B.300 allowing the Director to issue general permits covering numerous similar stationary sources (including temporary sources). Accordingly, the Director is hereby issuing a Class II general permit for the groups or types of **temporary** sources and associated portable equipment described in Section II:

After the effective date of this Class II General Permit, an owner or operator that meets the criteria set forth in this Class II General Permit (hereafter referred to as the General Permit) may request authority to operate under the provisions herein. An owner or operator who receives authority to operate under the General Permit AND receives approval to operate eligible equipment at a specified location in accordance with Section III.S is deemed to have an operating permit for the purposes of NAC 445B.287.

Owners or operators who request and are granted authority to operate under the General Permit are identified and referred to as the "Permittee."

SECTION II. APPLICABILITY

A stationary source that is also a **temporary** source *may* qualify to operate under the conditions and provisions of the General Permit for the following types of emission units:

(1) Crushers, screens and conveyors operated only for the processing of sand and gravel or aggregate;
(2) Hot mix asphalt plant with crushing (may include lime marination)
(3) Hot mix asphalt plant without crushing, (may include lime marination)
(4) Concrete batch plants;
(5) Wood chipping/grinding machines.

SECTION III. GENERAL CONDITIONS

A. General Permit Requirements and Criteria [Nevada Administrative Code (NAC) 445B.3477]

1. A stationary source authorized to operate pursuant to the General Permit must also be a temporary source (NAC 445B.187). A temporary source is a facility or installation that is located or operated for a period of less than 12 months (NAC 445B.194). For purposes of the General Permit, a period less than 12 months is equivalent to a period less than 365 consecutive days.
2. A temporary source that is authorized to operate pursuant to the General Permit must consist solely of equipment or emission units that belong to one or more of the types described in Section II:
3. The potential to emit at any one location shall not equal or exceed any of the emission limits specified in Table A below.

	Table A.		Operating Parameters		Emission Limits					
					Pounds per day					
	TYPE OF EMISSION UNIT		Minimum Setback,* meters (feet)	Maximum Daily Hours of Operation	PM10	PM	NOx	SO2	CO	VOC
1	Sand / gravel crushing and screening ONLY	a	50 (164)	12	22.85	62.4				
		b	50(164)	16	22.27	61.44				
		c	100 (328)	16	32.37	88.4				
2	Hot mix asphalt plant (includes lime marination)	a	50 (164)	12	134.18	183.46	264	52.8	647.04‡	310.56
	Combined with crushing and screening	b	100 (328)	16	187.8	259.5	374	74.8	916.64‡	440.0
3	Hot mix asphalt plant (includes lime marination)	a	50 (164)	12	97.43	107.1	231	46.2	566.16‡	271.74
	Without crushing and screening	b	100 (328)	16	185.5	204.0	440	88.0	1078.4‡	517.6
4	Concrete batch plant	a	50 (164)	**	28.46	94.1				
	(may include crushing and screening)	b	100 (328)	**	87.17	288.2				
	**batch process									
5	Wood chipping / grinding machines	a	50 (164)	12	15.7	42.9				
	*Setback is the distance from any emission unit to the nearest point of general public access. Access must be controlled to the director's satisfaction. ‡CO emissions must also not exceed 85 tons/year per location.									

A temporary source authorized to operate pursuant to this General Permit must not emit 10 tons or more per year of any single hazardous air pollutant or 25 tons or more per year for all regulated hazardous air pollutants. Emissions of carbon monoxide must also be limited to 85 tons per year per location.

4. The potential to emit shall be determined in accordance with Section IV.D.
5. The owner or operator of a stationary source must comply with all applicable provisions of 40 CFR Part 60 and provide verification of initial compliance demonstrations for affected facilities, as appropriate.
6. The owner or operator of a stationary source that meets the criteria of the General Permit may request authority to operate under the conditions of the General Permit. The request must be made in writing through the submittal of a form provided by the director and completed by the owner or operator.
7. The director shall grant or deny authority to operate under the conditions of the General Permit within 30 days after his receipt of request. An owner or operator who is granted authority to operate under the conditions of the General Permit is heretofore referred to as Permittee and must agree to the limits and condition of the General Permit and any Change of Location Approval [Section III.S] issued by the director.
8. A stationary source that obtains authorization to operate under the General Permit, but is later determined not to qualify under the conditions of the General Permit, may be subject to an action enforcing the prohibition against operating without a permit.
9. The owner or operator of a temporary source that is granted authority to operate under the conditions of the General Permit pursuant to paragraph (7) must also obtain advance approval to operate at each proposed location in accordance with III.S. Approval to operate at a single location shall not exceed 12 months (or 365 consecutive days).
10. The Permittee named above may not apply for, nor be issued, additional General Air Quality Operating Permits for Temporary Sources during this General Operating Permit's five year term.

B. Severability (NAC 445B.315.3(c))
Each of the conditions and requirements of the General Permit is severable and, if any are held invalid, the remaining conditions and requirements continue in effect.

C. Prohibited Acts (Nevada Revised Statute (NRS) 445B.470)
Permittee shall not knowingly:
1. Violate any applicable provision, the terms or conditions of any permit or any provision for the filing of information;
2. Fail to pay any fee;
3. Falsify any material statement, representation or certification in any notice or report; or
4. Render inaccurate any monitoring device or method, required pursuant to the provisions of NRS 445B.100 to 445B.450, inclusive, or 445B.470 to 445B.640, inclusive, or any regulation adopted pursuant to those provisions.

D. Prohibited Conduct: Concealment of Emissions (NAC 445B.225)
Permittee shall not install, construct, or use any device which conceals any emission without reducing the total release of regulated air pollutants to the atmosphere.

E. Compliance/Noncompliance (NAC 445B.315.3(d))
Permittee shall comply with all conditions of the General Permit. Any noncompliance constitutes a violation and is grounds for:
1. An action for noncompliance;
2. Revising, revoking, reopening and revising, or terminating the General Permit; or
3. Denial of an application for a renewal of the General Permit.

F. NAC 445B.315.3(e)
The need to halt or reduce activity to maintain compliance with the conditions of the General Permit is not a defense to noncompliance with any conditions of the General Permit.

G. NAC 445B.315.3(f)
The director may revise, revoke and reissue, reopen and revise, or terminate the General Permit for cause.

H. NAC 445B.315.3(g)
The General Permit does not convey any property rights or any exclusive privilege.

I. NAC 445B.315.3(h)
Permittee shall provide the Bureau of Air Pollution Control, within a reasonable time, with any information that the Bureau of Air Pollution Control requests in writing to determine whether cause exists for revising, revoking and reissuing, reopening and revising or terminating the General Permit or to determine compliance with the conditions of the General Permit.

J. NAC 445B.315.3(i)
Permittee shall pay fees to the Bureau of Air Pollution Control in accordance with the provisions set forth in NAC 445B.327 and 445B.331.

K. Right to Entry NAC 445B.315.3(j)
Permittee shall allow the Bureau of Air Pollution Control staff, upon the presentation of credentials, to:
1. Enter upon the premises of Permittee where:
   a. The stationary source is located;
   b. Activity related to emissions is conducted; or
   c. Records are kept pursuant to the conditions of this General Permit;
2. Have access to and copy, during normal business hours, any records that are kept pursuant to the conditions of the General Permit;

3. Inspect, at reasonable times, any facilities, practices, operations, or equipment, including any equipment for monitoring or controlling air pollution, that are regulated or required pursuant to the General Permit; and
4. Sample or monitor, at reasonable times, substances or parameters to determine compliance with the conditions of the General Permit or applicable requirements.

L. Certification (NAC 445B.315.3(k))
A responsible official who represents the Permittee shall certify that, based on information and belief formed after reasonable inquiry, the statements made in any document required to be submitted by any condition of the General Permit are true, accurate and complete.

M. Testing and Sampling (NAC 445B.252)
1. To determine compliance with NAC 445B.001 to 445B.3689, inclusive, before the approval or the continuance of an operating permit or similar class of permits, the Director may either conduct or order the owner of any stationary source to conduct or have conducted such testing and sampling as the Director determines necessary. Testing and sampling or either of them must be conducted and the results submitted to the Director within 60 days after achieving the maximum rate of production at which the affected facility will be operated, but not later than 180 days after initial start-up of the facility and at such other times as may be required by the Director.
2. Tests of performance must be conducted and data reduced in accordance with the methods and procedures of the test contained in each applicable subsection of this section unless the Director:
(a) Specifies or approves, in specific cases, the use of a reference method with minor changes in methodology;
(b) Approves the use of an equivalent method;
(c) Approves the use of an alternative method, the results of which the Director has determined to be adequate for indicating whether a specific stationary source is in compliance; or
(d) Waives the requirement for tests of performance because the owner or operator of a stationary source has demonstrated by other means to the Director's satisfaction that the affected facility is in compliance with the standard.
3. Tests of performance must be conducted under such conditions as the Director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the Director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard.
4. The owner or operator of an affected facility shall give notice to the Director 30 days before the test of performance to allow the Director to have an observer present. A written testing procedure for the test of performance must be submitted to the Director at least 30 days before the test of performance to allow the Director to review the proposed testing procedures.
5. Each test of performance must consist of at least three separate runs using the applicable method for that test. Each run must be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the runs apply. In the event of forced shutdown, failure of an irreplaceable portion of the sampling train, extreme meteorological conditions or other circumstances with less than three valid samples being obtained, compliance may be determined using the arithmetic mean of the results of the other two runs upon the Director's approval.
6. All testing and sampling will be performed in accordance with recognized methods and as specified by the Director.
7. The cost of all testing and sampling and the cost of all sampling holes, scaffolding, electric power and other pertinent allied facilities as may be required and specified in writing by the Director must be provided and paid for by the owner of the stationary source.
8. All information and analytical results of testing and sampling must be certified as to their truth and accuracy and as to their compliance with all provisions of these regulations, and copies of these results must be provided to the Director no later than 60 days after the testing or sampling, or both.
9. Notwithstanding the provisions of subsection 2, the Director shall not approve an alternative method or equivalent method to determine compliance with a standard or emission limitation contained in Part 60, 61 or 63 of Title 40 of the Code of Federal Regulations for:
(a) An emission unit that is subject to a testing requirement pursuant to Part 60, 61 or 63 of Title 40 of the Code of Federal Regulations; or
(b) An affected source.

N. Maximum Opacity of Emissions (NAC 445B.22017)

1. Except as otherwise provided in NAC 445B.22017 and 445B.2202, Permittee may not cause or permit the discharge into the atmosphere from any emission unit opacity equal to or greater than 20 percent. Opacity must be determined by one of the following methods:
   a. If opacity is determined by a visual measurement, it must be determined as set forth in Reference Method 9 in Appendix A of 40 C.F.R. Part 60.
   b. If a source uses a continuous monitoring system for the measurement of opacity, the data must be reduced to 6-minute averages as set forth in 40 CFR § 60.13(h).
2. NAC 445B.22017 and NAC 445B.2202 do not apply to that part of the opacity that consists of uncombined water. The burden of proof to establish the application of this exemption is upon the person seeking to come within the exemption.

O. Exceptions for Stationary Sources (NAC 445B.2202)
The provisions of NAC 445B.22017 do not apply to:
1. Smoke from the open burning described in NAC 445B.22067;
2. Smoke discharged in the course of training air pollution control inspectors to observe visible emissions, if the facility has written approval of the commission;
3. Emissions from an incinerator as set forth in NAC 445B.2207;
4. Emissions of stationary diesel-powered engines during warmup for not longer than 15 minutes to achieve operating temperatures.

P. Odors (NAC 445B.22087)
Permittee may not discharge or cause to be discharged, from any stationary source, any material or regulated air pollutant which is or tends to be offensive to the senses, injurious or detrimental to health and safety, or which in any way interferes with or prevents comfortable enjoyment of life or property.

Q. Fugitive Dust (NAC 445B.22037)
1. Permittee may not cause or permit the handling, transporting, or storing of any material in a manner which allows or may allow controllable particulate matter to become airborne.
2. Except as otherwise provided in subsection 4, Permittee may not cause or permit the construction, repair, demolition, or use of unpaved or untreated areas without first putting into effect an ongoing program using the best practical methods to prevent particulate matter from becoming airborne. As used in this subsection, "best practical methods" includes, but is not limited to, paving, chemical stabilization, watering, phased construction, and revegetation.
3. Except as provided in subsection 4, Permittee may not disturb or cover 5 acres or more of land or its topsoil until Permittee has obtained an General Operating Permit for surface area disturbance to clear, excavate, or level the land or to deposit any foreign material to fill or cover the land.
4. The provisions of subsections 2 and 3 do not apply to:
   a. Agricultural activities occurring on agricultural land; or
   b. Surface disturbances authorized by a permit issued pursuant to NRS 519A.180 which occur on land which is not less than 5 acres or more than 20 acres.

R. The act of:
1. making any false material statement, representation, or certification in, or omitting material information from, or altering, concealing, or failing to file or maintain any notice, application, record, report, plan, or other document required by the permit or director;
2. failing to notify or report as required by the permit or director;
3. falsifying, tampering with, rendering inaccurate, or failing to install any monitoring device or method required by the permit or director;
4. violating any of the applicable provisions of Nevada Administrative Code 445B.001 through 445B.3689;
by Permittee or any employee, officer, agent or representative thereof, shall constitute a violation of this permit and may result in a revocation of this permit and/or enforcement action in accordance with Nevada Administrative Code 445B.275.

S. Change of location (NAC 445B.331)
Permittee shall provide a request for change of location of an emission unit, or combination of emission units. The request must be made in writing to the Bureau of Air Pollution Control and submitted on the form provided by the Director and accompanied by the appropriate change of location fee. The request must be submitted at least 10 days before the anticipated commencement of operation of the emission unit(s) at the new location. The request for change of location shall identify the emission unit(s) which shall be operated at the requested location. The emission unit(s) must not be operated at the new location until the Bureau of Air Pollution Control provides approval through the issuance of a Change of Location Approval (COLA) with appropriate COLA authorization number.

*************End of General Conditions**************

SECTION IV. GENERAL OPERATING CONDITIONS

A. Temporary Source (NAC 445B.194)
Permittee shall not operate any emission unit, or combination of emission units, at any one location for more than 12 months as defined in NAC 445B.194. For purposes of the General Permit, 12 months is the same as 365 consecutive days.

B. Facilities Operation (NAC 445B.227)
Permittee may not:
1. Operate a stationary source of air pollution unless the control equipment for air pollution which is required by applicable requirements, the conditions of the General Permit, or a Change of Location Approval is installed and operating.
2. Disconnect, alter, modify or remove any of the control equipment for air pollution or modify any procedure required by an applicable requirement or condition of the General Permit.

C. Excess Emissions (NAC 445B.232)
1. Scheduled maintenance or testing or scheduled repairs which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.3689, inclusive, must be approved in advance by the Director and performed during a time designated by the Director as being favorable for atmospheric ventilation.
2. Each owner or operator shall notify the Director of the proposed time and expected duration at least 30 days before any scheduled maintenance or testing which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.3689, inclusive. The scheduled maintenance or testing must not be conducted unless the scheduled maintenance or testing is approved pursuant to subsection 1.
3. Each owner or operator shall notify the Director of the proposed time and expected duration at least 24 hours before any scheduled repairs which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.3689, inclusive. The scheduled repairs must not be conducted unless the scheduled repairs are approved pursuant to subsection 1.
4. Each owner or operator shall notify the Director of any excess emissions within 24 hours after any malfunction or upset of the process equipment or equipment for controlling pollution or during start-up or shutdown of that equipment.

5. Each owner or operator shall provide the Director, within 15 days after any malfunction, upset, start-up, shutdown or human error which results in excess emissions, sufficient information to enable the Director to determine the seriousness of the excess emissions. The information must include at least the following:
   (a) The identity of the stack or other point of emission, or both, where the excess emissions occurred.
   (b) The estimated magnitude of the excess emissions expressed in opacity or in the units of the applicable limitation on emission and the operating data and methods used in estimating the magnitude of the excess emissions.
   (c) The time and duration of the excess emissions.
   (d) The identity of the equipment causing the excess emissions.
   (e) If the excess emissions were the result of a malfunction, the steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of the malfunction.
   (f) The steps taken to limit the excess emissions.
   (g) Documentation that the equipment for controlling air pollution, process equipment or processes were at all times maintained and operated, to a maximum extent practicable, in a manner consistent with good practice for minimizing emissions.
6. Each owner or operator shall ensure that any notification or related information submitted to the Director pursuant to this section is provided in a format specified by the Director.

D. Emission Factors (NAC 445B.346)
The emission factors found in Section VI of the General Permit are to be used to calculate the potential emissions for units authorized to operate under the General Permit. The Director may prescribe a combined emission factor for the combined or independent operation of all units requested for a specific location.

E. Performance Standards for Emission Units Subject to NSPS (40 CFR Part 60 and NAC 445B.346)
1. 40 CFR Part 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants
   a. No owner or operator shall cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any fugitive emissions which exhibit greater than 7 percent opacity, except crushers at which a capture system is not used, truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher, or if any transfer point on a conveyor belt or any other affected facility is enclosed in a building.
   b. No owner or operator shall cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 12 percent opacity.
2. 40 CFR Part 60, Subpart I, Standards of Performance for Hot Mix Asphalt Facilities
   No owner or operator shall discharge or cause the discharge into the atmosphere from any affected facility any gases which:
   a. Contain particulate matter in excess of 0.04 grain per dry standard cubic foot.
   b. Exhibit 20 percent opacity, or greater.

F. Performance Standards for Emission Units Subject to NAC (NAC 445B.305)
1. No owner or operator shall discharge or cause the discharge into the atmosphere from any transfer point on belt conveyors, screens, or from any other facility not subject to the emission standards in E above any fugitive emissions which exhibit greater than 7 percent opacity, except crushers at which a capture system is not used, truck dumping of nonmetallic minerals into any screen operation, feed hopper, or crusher, or of any transfer point on a conveyor belt or any other affected facility is enclosed in a building. Opacity shall be determined by Reference Method 9 in Appendix A of 40 C.F.R. Part 60.
2. No owner or operator shall discharge or cause the discharge into the atmosphere from a crusher not subject to the emission standards in E above any fugitive emissions which exhibit greater than 12 percent opacity, as determined by Reference Method 9 in Appendix A of 40 C.F.R. Part 60.
3. No owner or operator of a hot mix asphalt facility shall discharge or cause the discharge into the atmosphere from any emission unit not subject to emission standards in E above any emission which is of an opacity equal to or greater than 20 percent, as determined by Reference Method 9 in Appendix A of 40 C.F.R. Part 60.
4. No owner or operator of a concrete batch plant shall discharge or cause the discharge into the atmosphere any emission which is of an opacity equal to or greater than 20 percent, as determined by Reference Method 9 in Appendix A of 40 C.F.R. Part 60 (NAC 445B.22017).
5. No owner or operator shall discharge or cause the discharge into the atmosphere from any emission unit not subject to F.1 through F.4 above any emission which is of an opacity equal to or greater than 20 percent, as determined by Reference Method 9 in Appendix A of 40 C.F.R. Part 60.

*************End of General Operating Conditions**************

SECTION V. GENERAL MONITORING AND RECORDKEEPING CONDITIONS

A. Records Retention (NAC 445B.315.3(b))
Permittee shall retain records of all required monitoring data and supporting information for 5 years from the date of the sample collection, measurement, report or analysis. Supporting information includes, but is not limited to, all records regarding calibration and maintenance of the monitoring equipment and all original strip-chart recordings for continuous monitoring instrumentation. Specific monitoring requirements for requested operating scenarios will be specified in the Change of Location Approval. Generally, daily initial throughput volumes (weights) and/or daily production volumes (weights) will provide the minimum supporting information.

B. Deviations (NAC 445B.346.3)
Permittee shall promptly report to the director any deviations from the requirements of the General Permit. The report to the director shall include the probable cause of all deviations and any action taken to correct the deviations. For the General Permit, prompt is defined as submittal of a report within 15 days of the deviation. This definition does not alter any reporting requirements as established for reporting of excess emissions as required under NAC 445B.232 and Section IV.C.

C. Yearly Reports (NAC 445B.315.3(h), NAC 445B.346.2)
Permittee shall submit yearly reports including, but not limited to, throughput, production, fuel consumption, hours of operation, and emissions. These reports shall be submitted on the form provided by the Bureau of Air Pollution Control for all emission units/systems specified on the form. The completed form must be submitted to the Bureau of Air Pollution Control no later than March 1 annually for the preceding calendar year.

D. NAC 445B.308
Reporting
Permittee shall submit a report of the actual production and hours of operation within 30 days of the completion of the job, on the form provided by the Bureau of Air Pollution Control. The reports shall be compiled based on each approved location. Failure to provide the required production reports shall result in disapproval of future change of location requests until the reports are received, and may subject Permittee to a Notice of Alleged Violation in accordance with NAC 445B.275.

E. 40 CFR §§60.90 through, 60.93 and §§60.670 through 60.676, Initial Opacity Compliance Demonstration (NAC 445B.308.7)
By applying for and receiving authorization to operate pursuant to the General Permit, Permittee agrees to comply with the opacity requirements and compliance demonstrations contained in 40 CFR Part 60, Subpart I, and 40 CFR Part 60, Subpart OOO. Submittal of verification of initial compliance demonstration methods required in 40 CFR Part 60 must be provided for each affected facility requesting change of location.

G. Compliance Testing (NAC 445B.252)
By applying for and receiving authorization to operate pursuant to the General Permit, Permittee agrees to conduct compliance testing of the control device on an asphalt plant, within 180 days of issuance of this Permit to Permittee, or during operation under the first Change of Location Approval issued. Compliance testing must be conducted for particulate matter, PM_{10}, sulfur dioxide, nitrogen oxides, and volatile organic compounds, as follows:

(1) Method 5 in Appendix A of 40 CFR Part 60 with a back-half catch (or another EPA reference method approved in advance by the Director) shall be used to determine the particulate matter concentration. The sample time for each test run shall be at least 60 minutes. The sample volume for each test run shall be at least 1.7 dscm (60 dscf). For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121°C (250°F) in order to prevent water condensation on the filter.
(2) A Method 201A and 202 test in accordance with 40 CFR Part 51, Appendix M (or another EPA reference method approved in advance by the Director) for PM_{10}. The sample time for each test run shall be at least 60 minutes. The sample volume for each test run shall be at least 1.7 dscm (60 dscf).
(3) The Method 201A and 202 test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 tests with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance.
(4) Method 7E in Appendix A of 40 CFR Part 60 (or another EPA reference method approved in advance by the Director) shall be used to determine the nitrogen oxides concentration.
(5) Method 25A in Appendix A of 40 CFR Part 60 (or another EPA reference method approved in advance by the Director) shall be used to determine the volatile organic compound concentration.
(6) Method 6C in Appendix A of 40 CFR Part 60 (or another EPA reference method approved in advance by the Director) shall be used to determine the sulfur dioxide concentration.

All testing shall be done in accordance with NAC 445B.252. The Director may consider valid test results for compliance testing which was conducted no earlier than 365 days before initial operation of the asphalt plant under this Permit.

*********End of General Monitoring and Recordkeeping Conditions*********

SECTION VI. EMISSION FACTORS

A. The emission factors listed below are to be used to calculate the potential emissions for operating scenarios authorized by the General Permit .

ACTIVITY / EQUIPMENT	Emission factor-Controlled[1] Lb/ton		Emission Factor-Uncontrolled Lb/ton		NOTES
	PM10	PM	PM10	PM	
1. NONMETALLIC MINERAL PROCESSING					**(1) The emission factors listed for controlled emissions require wet dust suppression located at each emission unit and transfer point. Wet dust suppression consists of water sprays, fogging water sprays, fogging water sprays with chemical surfactant, or pneumatic fogging water sprays. Pre-wetting of material does not constitute wet dust suppression.**
Primary Crusher	0.00054	0.0012	N/A[2]	N/A[2]	
Secondary Crusher	0.00054	0.0012	N/A[2]	N/A[2]	
Tertiary crusher	0.00054	0.0012	N/A[2]	N/A[2]	
Screening	0.00074	0.0022	N/A[2]	N/A[2]	
Fines crushing	0.0012	0.003	N/A[2]	N/A[2]	
Fines screening	0.0022	0.0036	N/A[2]	N/A[2]	
Conveyor transfer point	0.000046	0.00014	N/A[2]	N/A[2]	
2. CONCRETE BATCHING					
Aggregate transfer			0.0033	0.0069	
Sand transfer			0.00099	0.0021	
Cement silo loading	0.00034	0.00099	0.47	0.73	**(2) NOTE: Uncontrolled emission units are not permitted for nonmetallic mineral processing. No uncontrolled emission factors available.**
Weigh hopper loading			0.0024	0.0051	
Cement silo unloading	0.00034	0.00099			
Cement supplement unloading	0.0049	0.0089			
Central mixer loading	0.0055	0.0184	0.156	0.572	
Truck loading (truck mix)	0.0263	0.098	0.310	1.118	

	PM10	PM	NOx	SO2	CO	VOC	Total HAPs	Metals
3. ASPHALTIC CONCRETE PLANT (Wet scrubber or baghouse required)								
(a) No. 2 fuel oil-fired dryer	0.02	0.02	0.055	0.011	0.13	0.032	0.0087	0.0043
(b) Natural gas-fired dryer	0.02	0.02	0.026	0.0034	0.13	0.032	0.0053	0.00018
(c) Waste oil-fired dryer	0.02	0.02	0.055	0.058	0.13	0.032	0.010	0.00019

	Emission factor-Controlled Lb/ton		Emission Factor-Uncontrolled Lb/ton		Emission Factor-Controlled Lb/ton	
	PM10	PM	PM10	PM	CO	VOC
4a. ASPHALT SUPPORT SYSTEMS						
Cold aggregate bin feeders	0.000046	0.00014	0.0011	0.003	-	-
Aggregate bin discharge	0.000046	0.00014	0.0011	0.003	-	-
Drum dryer discharge to conveyor	0.00084	0.00084	0.00084	0.00084	0.0027	0.0083
Hot mix asphalt silo filling	0.00084	0.00084	0.00084	0.00084	0.0024	0.0244
Hot mix asphalt silo discharge	0.00086	0.00086	0.00086	0.00086	0.0027	0.0083
4b. LIME MARINATION PLANT						
Loader to feeder or bin	0.000046	0.00014	0.0011	0.003		
Feeder to conveyor	0.000046	0.00014	0.0011	0.003		
Conveyor to pugmill	0.000046	0.00014	0.0011	0.003		
Pugmill & discharge to conveyor	0.000046	0.00014	0.0011	0.003		
Conveyor discharge	0.000046	0.00014	0.0011	0.003		
Lime silo loading	0.00034	0.00034	0.00099	0.00099		
Lime silo discharge to conveyor	0.00034	0.00034	0.00099	0.00099		
Lime silo conveyor	0.000046	0.00014	0.0011	0.003		
5. WOOD CHIPPING/GRINDING MACHINE						
Wood chipping/grinding			0.011	0.024		

********End of Emission Factors*********

Section VII. Amendments

July 1, 2013:
- Amend Section VI (Emission Factors) to eliminate uncontrolled option for non-metallic mineral processing
- Amend Section III to eliminate option that would allow an environmental evaluation (modeling) to demonstrate compliance with the NAAQS in lieu of the limits in Table A.
- Amend Section V (Recordkeeping; Subsection A) to clarify the minimum throughput monitoring and recordkeeping required.

March 12, 2015:
- Permit re-endorsed as issued July 1, 2013
- No changes were made to permit content at this time.

This Permit:

1. **Conveys no specific authorization to operate at any specific location unless accompanied by an authorization by the Director in accordance with Section III.A and a location approval in accordance with Section III.S.**
2. **Shall expire on May 7, 2017 (NAC 445B.3473.1).**
3. **May be appealed by any aggrieved party to the State Environmental Commission (SEC) within ten (10) days after the date of notice of the Department's action.**
4. **May only be challenged at the time of issuance. The Director's granting or denial of authority to operate under a Class II general permit to a stationary source or group of stationary sources does not provide an opportunity for an administrative review or judicial review of the general permit. (NAC 445B.3477.5)**

THIS PERMIT EXPIRES ON: May 7, 2017

Signature
Issued by: Ross Baker, P.E.
Supervisor, Permitting Branch
Bureau of Air Pollution Control

Phone: (775) 687-9530 **Date:** 12 March 2015

Rev:
3/15